PATENT COOPERATION TREATY

Tom the NTERNATIONAL PRELIMINARY EXACTO: GIBSON, Mark GLAXOSMITHKLINE Corporate Intellectual Property CN925.1 980 Great West Road Brentford Middlesex TW8 9GS GRANDE BRETAGNE	Received BRE 04 FEB 20 ATTY: A PA UPDATE ATTY CHECKED/FILE	OF NOTIFIED	PCT EICATION OF TRANSMITTAL OF NTERNATIONAL PRELIMINARY EPORT ON PATENTABILITY (PCT Rule 71.1) 02.02.2005
Applicant's or agent's file reference MG/PB60133/PCT		IN	PORTANT NOTIFICATION
International application No. PCT/EP2004/002644	International filing date (day)	month/year)	Priority date (day/month/year) 14.03.2003

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 Authorized Officer

Roche, S

Tel. +49 89 2399-8031



PATENT COOPERATION TREATY



PCT



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference MG/PB60133/PCT FOR		FOR FURTHER ACTION	See Form PCT/IPEA	See Form PCT/IPEA/416		
	national application No.	International filing date (day/mo	nth/year) Priority date (day/n 14.03.2003	nonth/year)		
C07 A61	C311/08 C07C317/36 C0	C) or national classification and IPC 7C323/36, C07D207/27, C07D2 IK31/404, A61K31/415, A61K31	9/42, C07D213/75, C07D231/12 125, A61K31/4402, A61K31/4400	, A61K31/18, 5, A61K31/4409,		
Appli GLA	cant AXO GROUP LIMITED et a	at.				
1.	This report is the internation Authority under Article 35 at	al preliminary examination report, end transmitted to the applicant acco	stablished by this International Preliding to Article 36.	minary Examining		
2.	This REPORT consists of a	total of 5 sheets, including this cov	er sheet.			
3.	This report is also accompa	nied by ANNEXES, comprising:				
	a. sent to the applicant and to the International Bureau) a total of sheets, as follows:					
	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
	b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4.	This report contains indicati	ons relating to the following items:				
	⊠ Box No. I Basis of t	ne opinion				
	Box No. II Priority					
			ovelty, inventive step and industrial	applicability		
	☐ Box No. IV Lack of u	nity of invention				
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			ndustrial		
	☐ Box No. VI Certain documents cited					
	☐ Box No. VII Certain defects in the international application					
	☐ Box No. VIII Certain of	oservations on the international app	cation			
Date	of submission of the demand	Date	of completion of this report			
14.	12.2004	02.0	2.2005	·		
	ne and mailing address of the Interminary examining authority:		rized Officer	And Market		
-	European Patent Office D-80298 Munich	i Coo	per, S			
Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			hone No. +49 89 2399-8323			

JCOB Rec'd PCT/PTO 13 SEP 2005





10/549349

	Box	No. I	Basis of the report
1.	Witl	n regard i, unles	I to the language , this report is based on the international application in the language in which it was sometimes of the state of th
		This re	port is based on translations from the original language into the following language, is the language of a translation furnished for the purposes of:
		☐ nut	rnational search (under Rules 12.3 and 23.1(b)) dication of the international application (under Rule 12.4) dirnational preliminary examination (under Rules 55.2 and/or 55.3)
2.	hav	e heen	I to the elements* of the international application, this report is based on <i>(replacement sheets whicl</i> furnished to the receiving Office in response to an invitation under Article 14 are referred to in this originally filed* and are not annexed to this report):
	Des	cription	, Pages
	1-66	3	as originally filed
	Clai	ims, Nu	mbers
	1-8		as originally filed
		a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3.		The ar	nendments have resulted in the cancellation of:
			description, pages claims, Nos.
		☐ the	drawings, sheets/figs
		☐ the	sequence listing (specify): table(s) related to sequence listing (specify):
4.	□ hac Sup	I not be	eport has been established as if (some of) the amendments annexed to this report and listed below en made, since they have been considered to go beyond the disclosure as filed, as indicated in the stall Box (Rule 70.2(c)).
		☐ the☐ the☐ the	description, pages claims, Nos. drawings, sheets/figs sequence listing (specify): / table(s) related to sequence listing (specify):
			em 4 applies, some or all of these sheets may be marked "superseded."





_		x No. III Non-establishment o plicability	of op	inion with regard to novelty, inventive step and industrial	
1.	 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of: 				
		☐ the entire international application,			
	Ø	claims Nos. 7			
		because:			
	the said international application, or the said claims Nos. 7 relate to the following subject matter which do not require an international preliminary examination (specify):		the said claims Nos. 7 relate to the following subject matter which does ary examination (specify):		
see separate sheet					
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):			
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.			
		no international search report has been established for the said claims Nos.			
		the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:			
		the written form		has not been furnished	
				does not comply with the standard	
		the computer readable form		has not been furnished	
				does not comply with the standard	
		the tables related to the nucleonot comply with the technical r	otide a equir	and or amino acid sequence listing, if in computer readable form only, do ements provided for in Annex C-bis of the Administrative Instructions.	
		See separate sheet for further	detai	ls	





Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-8

No: Claims

Inventive step (IS)

Yes: Claims

No: Claims

1-8

Industrial applicability (IA)

Yes: Claims

1-6,8

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

INTERNATIONAL MELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

PCT/EP2004/002644

D1: WO 02/02505 A (ELAN PHARM INC) 10 January 2002 (2002-01-10)

Section III.

- 1). For the assessment of the present claim 7 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.
- 2). Claim 7 relates to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).

Section V.

- 1). The present application has selected compounds according to claim 1 of D1 in which R_N is R_{N-1}-X_N- where X_N is -CO-, and R_{N-1} is R_{N-aryl} where R_{N-aryl} is phenyl substituted by possibility (38), and R_{N-5} is possibility (b) or (f) given on pp.109 and 110 respectively. Since this particular combination could not be found identified in specific form e.g. in a preferred embodiment or an example in D1, the present claims are considered to be novel over D1.
- 2). The presently claimed compounds fall at least partially within the scope of the compounds claimed in D1. The compounds according to D1 have the same medical indication and apparently work by the same mechanism as the present compounds. Insofar as the present compounds fall within the scope of the claims of D1 they are thus initially regarded as having already been suggested by D1 for the present purpose and not inventive.